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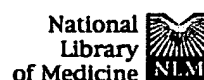
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Services**Enhancement of respiratory syncytial virus pulmonary pathology in cotton rats by prior intramuscular inoculation of formalin-inactivated virus.****Prince GA, Jenson AB, Hemming VG, Murphy BR, Walsh EE, Horswood RL, Chanock RM.**Related
Resources

Cotton rats previously inoculated with Formalin-inactivated respiratory syncytial virus (RSV) were challenged intranasally with live RSV to induce an enhancement of RSV disease similar to that observed after the administration of Formalin-inactivated RSV vaccine to human infants 20 years ago. Within 24 h after infection with RSV, cotton rats developed pulmonary lesions that reached a maximum by day 4. Histologically, the lesions resembled an experimental pulmonary Arthus reaction. An action of Formalin on RSV appears to be responsible for this effect, because live virus or virus heated in the absence of Formalin did not induce enhanced immunopathology. Selected epitopes on the fusion (F) or attachment (G) or both RSV surface glycoproteins that are involved in inducing neutralizing antibodies were modified to reduce or ablate their antigenicity. However, other epitopes on the F or G or both glycoproteins were not ablated by Formalin, because cotton rats inoculated parenterally with a Formalin-inactivated virus developed a high level of F and G antibodies measurable by an enzyme-linked immunosorbent assay. At this time, the effect of Formalin on RSV cannot be localized to either the F or G glycoprotein of RSV.

PMID: 2419587 [PubMed - indexed for MEDLINE]

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Effect of age and preexisting antibody on serum antibody response of infants and children to the F and G glycoproteins during respiratory syncytial virus infection. J Clin Microbiol. 1986 Nov;24(5):894-8.
PMID: 3771779 [PubMed - indexed for MEDLINE]

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- ☐ 2: [Olmsted RA, Elango N, Prince GA, Murphy BR, Johnson PR, Moss B, Chanock RM, Collins PL.](#) [Related Articles](#)
Expression of the F glycoprotein of respiratory syncytial virus by a recombinant vaccinia virus: comparison of the individual contributions of the F and G glycoproteins to host immunity. Proc Natl Acad Sci U S A. 1986 Oct;83(19):7462-6.
PMID: 3532115 [PubMed - indexed for MEDLINE]

- ☐ 3: [Murphy BR, Prince GA, Walsh EE, Kim HW, Parrott RH, Hemming VG, Rodriguez WJ, Chanock RM.](#) [Related Articles](#)
Dissociation between serum neutralizing and glycoprotein antibody responses of infants and children who received inactivated respiratory syncytial virus vaccine. J Clin Microbiol. 1986 Aug;24(2):197-202.
PMID: 3755730 [PubMed - indexed for MEDLINE]

- ☐ 4: [Murphy BR, Graham BS, Prince GA, Walsh EE, Chanock RM, Karzon DT, Wright PF.](#) [Related Articles](#)
Serum and nasal-wash immunoglobulin G and A antibody response of infants and children to respiratory syncytial virus F and G glycoproteins following primary infection. J Clin Microbiol. 1986 Jun;23(6):1009-14.
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- ☐ 5: [Hemming VG, Prince GA.](#) [Related Articles](#)
Intravenous immunoglobulin G in viral respiratory infections for newborns and infants. Pediatr Infect Dis. 1986 May-Jun;5(3 Suppl):S204-6. No abstract available.
PMID: 3714525 [PubMed - indexed for MEDLINE]

- ☐ 6: [Prince GA, Hemming VG, Chanock RM.](#) [Related Articles](#)
The use of purified immunoglobulin in the therapy of respiratory syncytial virus infection. Pediatr Infect Dis. 1986 May-Jun;5(3 Suppl):S201-3. No abstract available.
PMID: 3714524 [PubMed - indexed for MEDLINE]

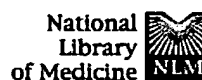
- ☐ **7:** Elango N, Prince GA, Murphy BR, Venkatesan S, Chanock RM, Moss B. [Related Articles](#)
Resistance to human respiratory syncytial virus (RSV) infection induced by immunization of cotton rats with a recombinant vaccinia virus expressing the RSV G glycoprotein.
Proc Natl Acad Sci U S A. 1986 Mar;83(6):1906-10.
PMID: 3513191 [PubMed - indexed for MEDLINE]

☐ **8:** Prince GA, Jenson AB, Hemming VG, Murphy BR, Walsh EE, Horswood RL, Chanock RM. [Related Articles](#)
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JAMA. 1967 Dec 18;202(12):1075-80. No abstract available.
PMID: 6072745 [PubMed - indexed for MEDLINE]

- ☐ 2: Hathaway WE, Fulginiti VA, Pierce CW, Githens JH, Pearlman DS, Muschenheim F, Kempe CH. Related Articles

Graft-vs-host reaction following a single blood transfusion.
JAMA. 1967 Sep 25;201(13):1015-20. No abstract available.
PMID: 6072477 [PubMed - indexed for MEDLINE]

- ☐ 3: Sieber OF Jr, Kilgus AH, Fulginiti VA, Pearlman D. Related Articles

Immunological response of the newborn infant to Coxsackie B-4 infection.
Pediatrics. 1967 Sep;40(3):444-6. No abstract available.
PMID: 6036193 [PubMed - indexed for MEDLINE]

- ☐ 4: Fulginiti VA, Kempe CH. Related Articles

Killed-measles-virus vaccine.
Lancet. 1967 Aug 26;2(7513):468. No abstract available.
PMID: 4166115 [PubMed - indexed for MEDLINE]

- ☐ 5: Fulginiti VA, Amer J, Eller JJ, Joyner JW Sr, Askin P. Related Articles

Parainfluenza virus immunization. IV. Simultaneous immunization with parainfluenza types 1, 2, and 3 aqueous vaccines.
Am J Dis Child. 1967 Jul;114(1):26-8. No abstract available.
PMID: 4378106 [PubMed - indexed for MEDLINE]

- ☐ 6: Fulginiti VA, Sieber OF Jr, John TJ, Askin P, Sunada K. Related Articles

Parainfluenza virus immunization. 3. Antigenicity of aqueous, egg-adapted, parainfluenza types 1 and 2 virus vaccines.
Am Rev Respir Dis. 1967 Jul;96(1):123-5. No abstract available.
PMID: 4291062 [PubMed - indexed for MEDLINE]

- ☐ 7: Sieber OF Jr, John TJ, Fulginiti VA, Overholt EC. Related Articles

Stevens-Johnson syndrome associated with Mycoplasma pneumoniae infection.
JAMA. 1967 Apr 3;200(1):79-81. No abstract available.
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parainfluenza type 3 vaccines.

Am Rev Respir Dis. 1967 Feb;95(2):320-2. No abstract available.
PMID: 4289303 [PubMed - indexed for MEDLINE]

☐ 9: [John T. Askin P. Fulginiti VA.](#)

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Arch Gesamte Virusforsch. 1967;22(3):381-7. No abstract available.
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